

IN THE SPECIFICATION:

Paragraph beginning at line 3 of page 1 has been amended as follows:

The present invention relates to an ink jet head applied, for example, to a printer, a facsimile, or the like, and also relates to an ink jet recording apparatus equipped with the ink jet head.

Paragraph beginning at line 12 of page 5 has been amended as follows:

~~Note that there~~ There is also a problem in that each of the aforementioned problems becomes markedly worse for cases of using water based ink having poor air bubble permeability with respect to the ink, and for cases of using large sized ink jet heads with which the amount of ink discharged within a unit time is large.

Paragraph beginning at line 3 of page 13 has been amended as follows:

A plurality of grooves 33 communicating with nozzle apertures 32 are disposed in parallel in a substrate comprised of a piezo-electric ceramic plate 31 that constitutes the head tip 30, and each of the grooves 33 is separated by side walls

34. One end portion in the longitudinal direction of each of the grooves 33 extends up to an end surface of the piezo-electric ceramic plate 31, whereas the other end portion gradually decreases in depth, without extending up to the other end surface. Further, electrodes 35 used for applying a driver voltage are formed in side walls 34 on both sides in the transverse direction of each of the grooves 33, extending in the longitudinal direction on the aperture side of the grooves 33.

Paragraph beginning at line 14 of page 13 has been amended as follows:

Note that each of the grooves 33 formed in the piezo-electric ceramic plate 31 is formed by disk shaped dice cutter, for example. The portions where the depth gradually becomes shallower are formed by the shape of a dice cutter. Further, the electrodes 35 formed within each of the grooves 33 are formed by a known evaporation process from an inclined direction, for example.